

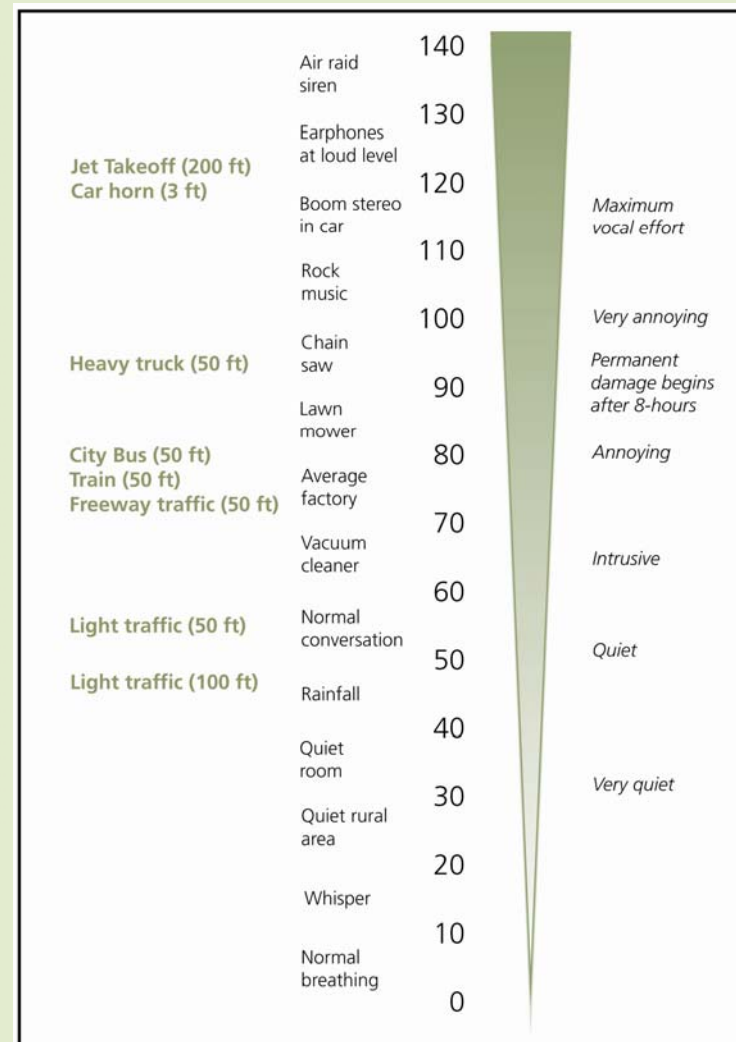
Noise Levels

- Noise Levels

- Traffic noise levels are measured in A-weighted decibels (dBA), which most closely approximate the way the human ear hears sounds at different frequencies.
- Since traffic noise varies over time, the sound levels are expressed as “equivalent levels” or L(eq), representing the average sound level.
- The figure shows the noise levels of commons sounds for reference.

- Definition of Noise Impact

- 66 dBA or more for residences, schools, and churches
- 71 dBA or more for businesses
- OR 10 dBA or more above the existing noise level

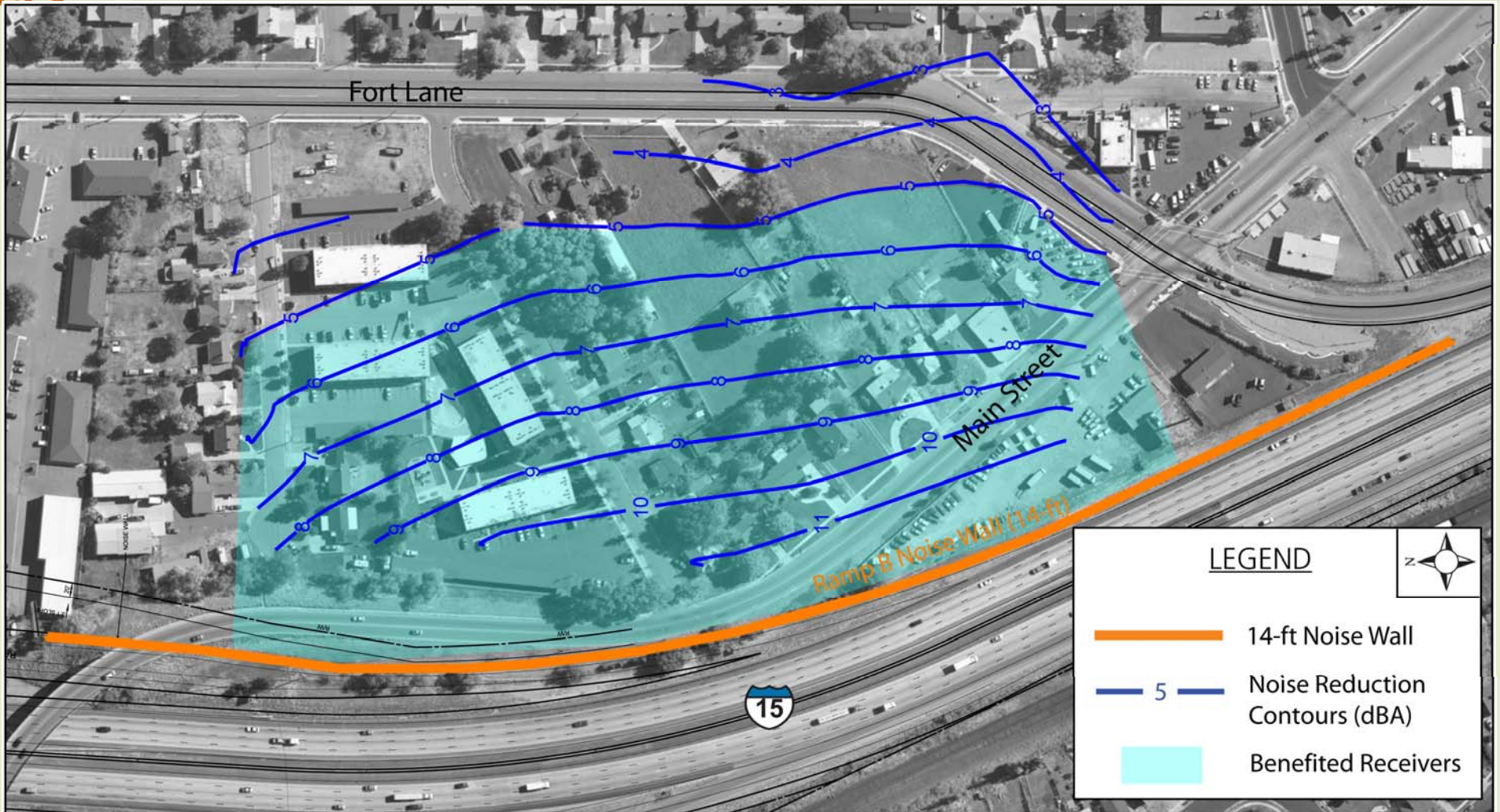


Noise Walls

- Noise Walls must meet specific requirements:
 - They reduce noise by at least 5 dBA for at least 75% of the front-row (adjacent) receivers
 - They can be built
 - They are cost effective (not to exceed \$30,000 per benefited receiver)
 - Balloting results favor noise walls

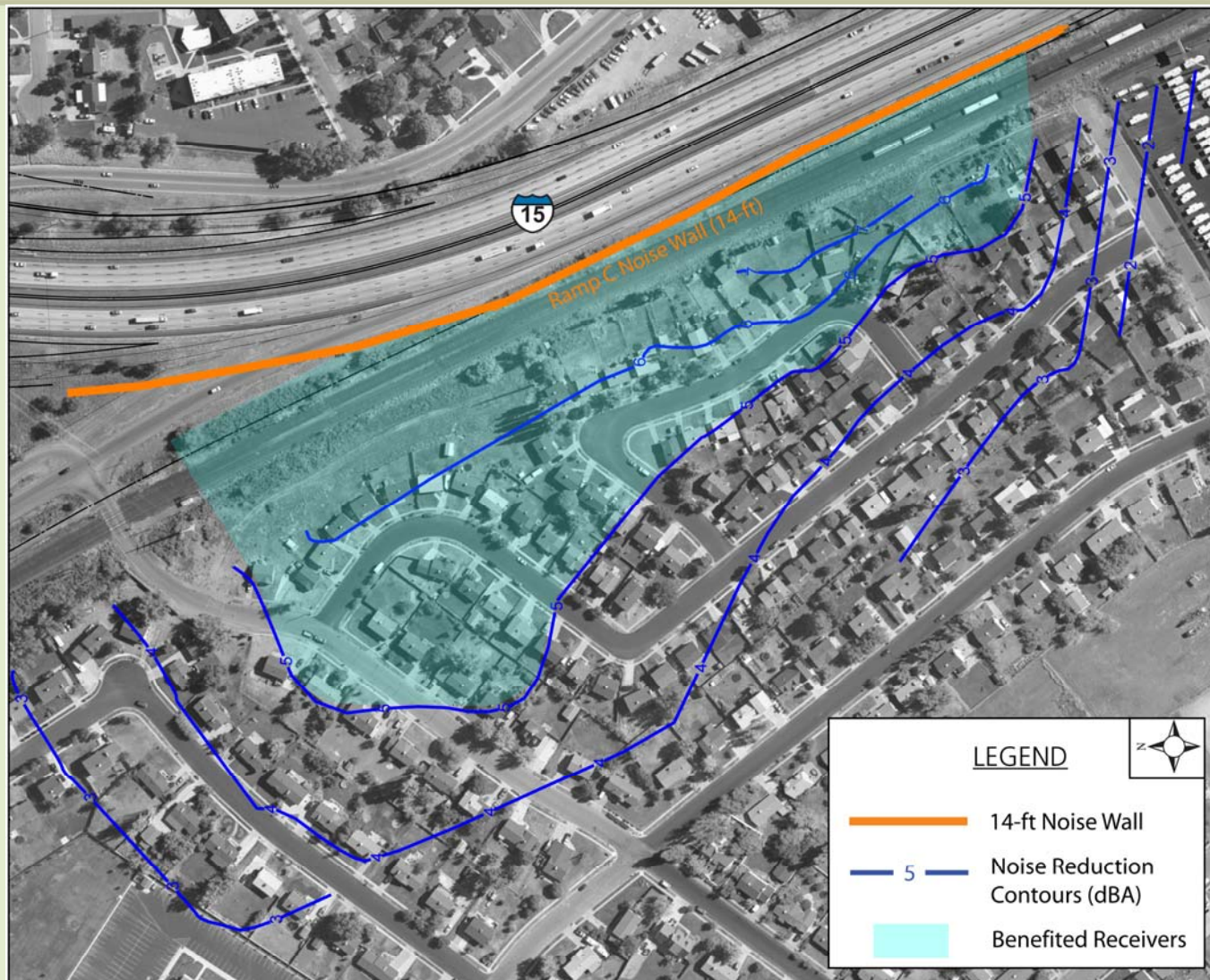


Proposed Noise Wall (Ramp B)



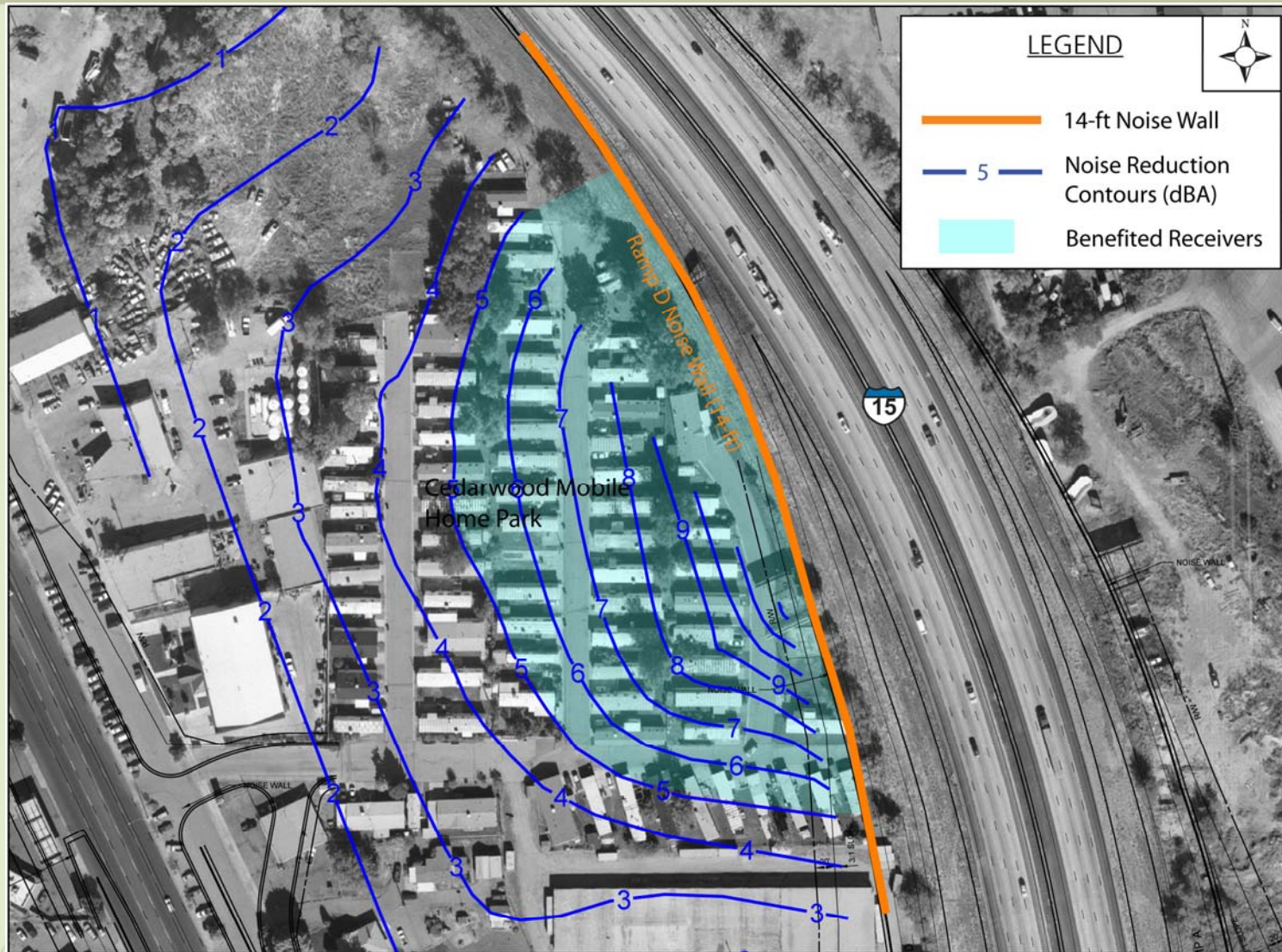
Construction of noise wall to be determined by public balloting. Not all benefited receivers will receive a ballot. To receive a ballot, a receiver must be impacted **and** benefited by the potential noise wall, or be located adjacent to the potential noise wall. Noise balloting areas will be determined during final design.

Proposed Noise Wall (Ramp C)



Construction of noise wall to be determined by public balloting. Not all benefited receivers will receive a ballot. To receive a ballot, a receiver must be impacted **and** benefited by the potential noise wall, or be located adjacent to the potential noise wall. Noise balloting areas will be determined during final design.

Proposed Noise Wall(Ramp D)



Construction of noise wall to be determined by public balloting. Not all benefited receivers will receive a ballot. To receive a ballot, a receiver must be impacted **and** benefited by the potential noise wall, or be located adjacent to the potential noise wall. Noise balloting areas will be determined during final design.

Balloting

- Balloting must be completed for all noise walls under consideration
 - Noise abatement will only be recommended if 75 percent of the following groups of residents/land owners vote, through balloting, in favor of the abatement:
 - Front row (adjacent) receivers,
 - Receivers that would be impacted by the project and benefited by noise abatement
 - At least 50% of the total number of completed ballots must be received

If the property owners vote to reject construction of a noise abatement device, their area **will not be reconsidered** for future noise abatement unless a future transportation project falls under the guidelines of a Type I Project for noise abatement.